Model PS-4001
Power Supply
User Instructions

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Warranty Notice

See the enclosed warranty card for further details.

Customer Support

Technical questions should be directed to:

Customer Service Department
RTS/Telex Communications, Inc.
12000 Portland Avenue South
Burnsville, MN 55337 USA
Telephone: 800-392-3497
Fax: 800-323-0498

Return Shipping Instructions

Customer Service Department
Telex Communications, Inc. (Lincoln, NE)
Telephone: 402-467-5321
Fax: 402-467-3279
Factory Service: 800-553-5992

Please include a note in the box which supplies the company name, address, phone number, a person to contact regarding the repair, the type and quantity of equipment, a description of the problem and the serial number(s).

Shipping to the Manufacturer

All shipments of product should be made via UPS Ground, prepaid (you may request from Factory Service a different shipment method). Any shipment upgrades will be paid by the customer. The equipment should be shipped in the original packing carton. If the original carton is not available, use any suitable container that is rigid and of adequate size. If a substitute container is used, the equipment should be wrapped in paper and surrounded with at least four (4) inches of excelsior or similar shock-absorbing material. All shipments must be sent to the following address and must include the Proof of Purchase for warranty repair. Upon completion of any repair the equipment will be returned via United Parcel Service or specified shipper, collect.

Factory Service Department
Telex Communications, Inc.
8601 East Cornhusker Hwy.
Lincoln, NE 68507 U.S.A.
Attn: Service

FCC Statement

This equipment users, and can radiate radio frequency energy that may cause interference to radio communications if not installed in accordance with this manual. The equipment has been tested and found to comply with the limits of a Class A computing device pursuant to Subpart J, Part 15 of FCC Rules which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference which the user (at his own expense) will be required to correct.

CE This product meets Electromagnetic Compatibility Directive 89/336/EEC

This package should include the following:

CHAPTER 1

Operation and Specifications

Operation

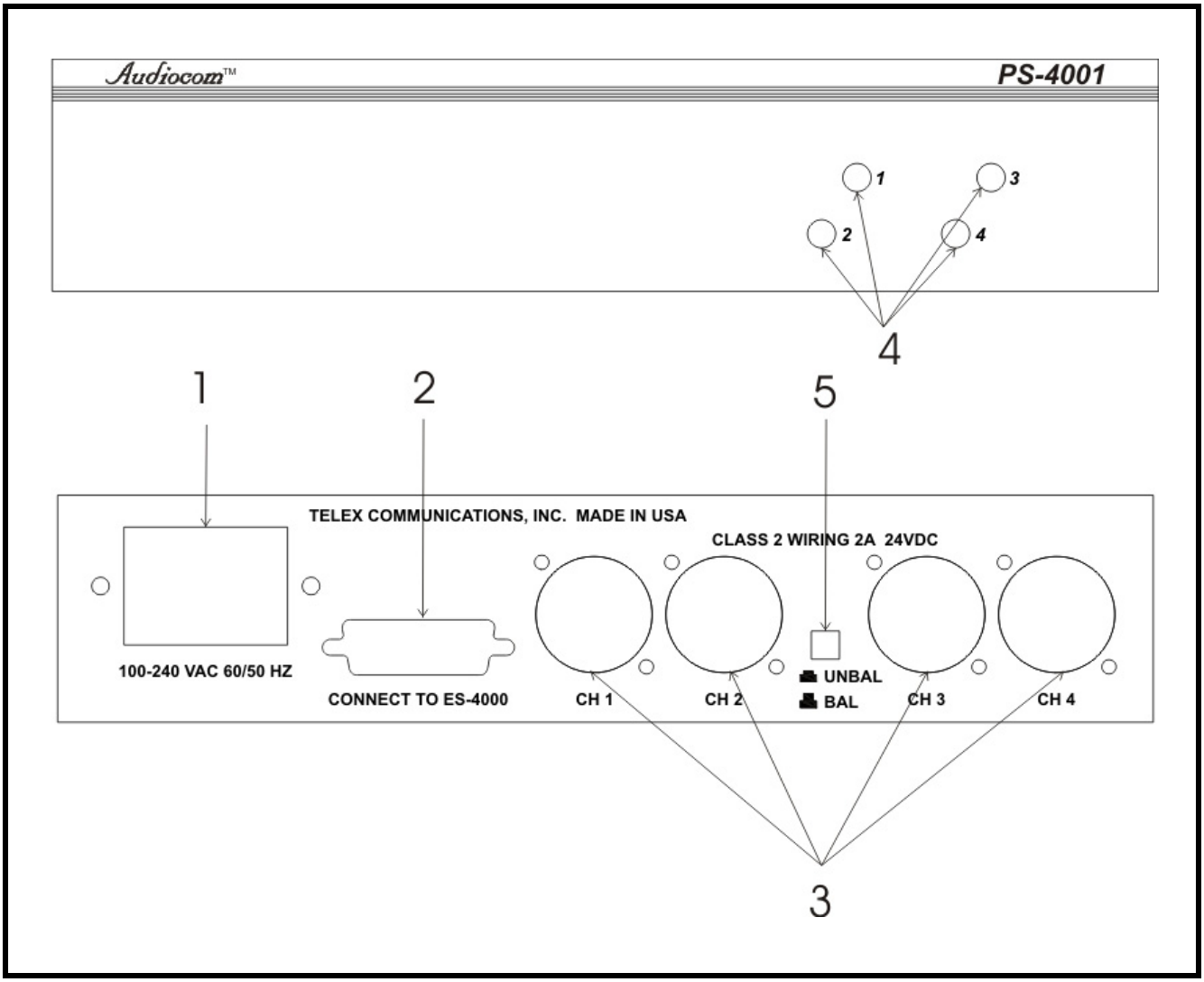

FIGURE 1. PS-4001 Reference View

1. Universal AC Power Input: The unit accepts any input power in the range opf 100-240 VAC, 50/60 Hz.
2. Connector to ES-4000A: This connector carries power to the ES-4000A expansion station, and carries the four audio channels of the ES-4000A. When a Telex ES-4000A is connected to the PS-4001, each of the four channels of audio is “broken out” to the respective channel connections.
3. Intercom Channel Connectors: These connectors carry power to the intercom system and provide termination for the audio signal of each individual intercom channel.
4. Channel Status Indicators: The indicators are green for normal operation and red when there is an overload or short circuit. The circuitry in the unit will automatically reset when the overload or shirt circuit is located and fixed, and the LED will go back to green.
5. BAL/UNBAL Selector Switch: This selector switch allows the user to configure the unit for use in either an Audiocoom (BALANCED) or ClearCom (UNBALANCED) system. Compatibility includes channel connector pin-outs, channel power requirements, and call signaling requirements. The default setting for this switch is in the Audiocom (BAL) position.

NOTE: In order to connect the PS-4001 to a 2-channel ClearCom system using a 6-pin connector, an adaptor cable, shown in Figure 2, must be constructed.

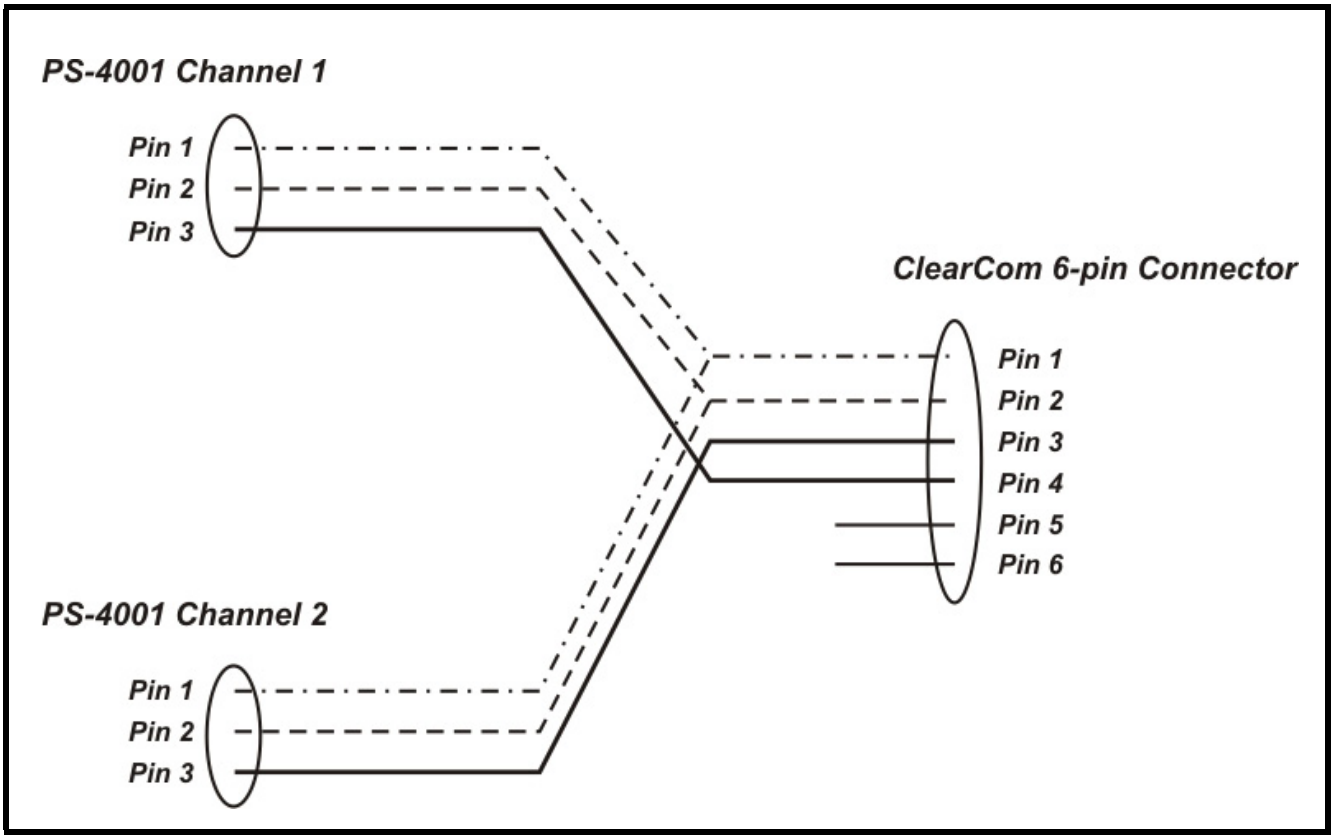

FIGURE 2. ClearCom Cable Assembly

Specifications

GENERAL

Input Power Requirements: 100 to 240 VAC, 50/60 Hz

Output Power (each channel): 24 ±1 VDC, 1 Amp per channel

Dimensions: 1.75” (44.5mm) high x 8.25” (209.5mm) wide x 10.31” (261.9 mm) deep

Weight: approxiamately 2.5lb. (1.13 kg)

Environmental Requirements:

Storage: -20°C to 80°C, 0% to 95% humidity, non-condensing

Operating: 0°C to 50°C, 0% to 95% humidity, non-condensing

INTERCOM CHANNELS - General

Connector Type: One XLR-3M audio connector for each channel. Pin-out depends on setting of BAL/UNBAL switch for balanced or unbalanced operation as defined below:

Balanced Mode (Set to BAL position)

Line Terminating Impedance: 300 Ohms ±10%

Connector Pinout

Pin 1 Common (audio and DC return)
Pin 2 Full-Duplex, balanced intercom audio and +24 VDC output
Pin 3 Full-Duplex, balanced intercom audio and +24 VDC output

Unbalanced Mode (Set to UNBAL position)

Line Terminating Impedance: 150 Ohms ±5%

Connector Pinout

Pin 1 Common (audio and DC return)
Pin 2 +30 ±1 VDC output
Pin 3 Full-Duplex, unbalanced intercom audio high

APPROVALS

UL, CUL, CE